**Homework 62H** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Properties of Chords** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work and write in complete sentences will result in LaSalle!**

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| 1) Use the figure below to answer the questions that follow.    a. Using the information given in the figure, what can you conclude?  b. If , find . | | 2) Use the figure below to answer the questions that follow.    a. Using the information given in the figure, what can you conclude?  b. If , find . | |
| 3) Find the measure of arc MN. | 4) Find the measure of arc MN. | | 5) Find the measure of arc AC. |
| 6) Use the figure below to answer the questions that follow.    a. Find the value of x.  b. If , find QR.  c. If , find PSR. | 7) Find the measure of arc KLM.    a. Find the value of x.  b. If , find EX.  c. If , find FE. | | 8) *Explain* how you know that PR is the diameter of the circle. |